CLAIMS

1.   A method for data processing in a computer environment comprising processing means and a memory, characterized in that it comprises the following steps:

- providing in the memory a plurality of individually identified information-bearing

5   entities,

- providing in the memory a dictionary of simple irreducible elements capable of characterizing the information-bearing entities,

- providing in the memory, in association with each information-bearing entity, a dynamic structure comprising at least one knowledge object consisting of simple elements

10   selected in the dictionary of simple elements, the stored dynamic structure comprising first information identifying the respective simple elements and second information identifying links between simple elements in the knowledge objects, the number of knowledge objects and the number of simple elements in the knowledge objects, may vary from one dynamic structure to the other, and the dynamic structure may vary over time according to the behavior

15   of the users and to calculations performed by the processing means,

- performing processing operations on information-bearing entities by using first and second information of their current associated dynamic structures.

2.   The method according to claim 1, characterized in that each simple element

20   may be present in several knowledge objects of the stored dynamic structure.

3.   The method according to any of claims 1 and 2, characterized in that each stored dynamic structure comprises, in association with each simple element, at least one attribute of the simple element in its knowledge object, and in that the processing step also

25   uses at least certain attributes of the simple elements.

4.   The method according to claim 3, characterized in that the attributes of simple elements in dynamic structure have values selected from the values set by the user, values calculated according to other information from the dynamic structure containing the relevant

30   simple element, and values calculated according to the number of occurrences of the relevant simple element in all or a determined part of the dynamic structures containing these different

simple elements.

5.   The method according to claim 3 or 4, characterized in that each stored dynamic structure also comprises, in association with each knowledge object, at least one knowledge object attribute, and in that the processing step also uses at least certain attributes of knowledge objects.

6.   The method according to claim 5, characterized in that at least one knowledge object attribute value is calculated from values of attributes of corresponding simple elements contained in the knowledge object.

7.   The method according to claim 5 or 6, characterized in that at least one knowledge object attribute value is set by an operator building the knowledge object.

8.   The method according to any of claims 3 to 7, characterized in that it comprises an initial step for creating starting dynamic structures, and in that it comprises repeated steps for modifying dynamic structures by authorized users.

9.   The method according to any of claims 1 to 8, characterized in that the dictionary of simple elements comprises in the memory at least one base in which the simple elements are organized into a plurality of groups of simple elements, themselves organized in a plurality of dimensions, and in that a step for displaying simple elements is provided for selection in a visual organization corresponding to the layout of the dimensions and groups of the base.

10.   The method according to claim 9, characterized in that each group is represented in memory as a selectable simple element just as other simple elements.

11.   The method according to any of claims 9 and 10, characterized in that the dictionary of simple elements comprises in the memory at least two bases in which the same simple elements are organized in different groups and/or dimensions, and in that the display step comprises a selective display according to one of several visual organizations

corresponding to the layouts of the different bases.

12.   The method according to claim 11, characterized in that it further comprises steps:

5   - providing in the memory, a table of users containing membership attributes of said users in association with identifiers of respective users, and

- according to the value of the membership attribute of a user, implementing the display step according to a visual organization corresponding to the layout of a base as designated by the membership attribute of said user, or if necessary, on only a part of a base 10 as designated by the membership attribute of said user.

13.   The method according to claim 12, characterized in that the layout of a base is a tree-structure layout, and in that the layout of only a part of a base consists of a limited number of tree-structure levels in the layout.

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14.   The method according to any of claims 1 to 13, characterized in that the processing step comprises the comparison of dynamic structures of at least two information-bearing entities.

20   15.   The method according to claim 14, characterized in that the processing step comprises the comparison of the dynamic structures of a plurality of information-bearing entities with the dynamic structure(s) of one or several standard information-bearing entities, making up a request.

25   16.   The method according to any of claims 14 and 15, characterized in that the comparison step implements a mathematical and/or logical combination of the presence/absence of simple elements in the dynamic structures, the presence/absence of simple elements together in knowledge objects of the dynamic structures, and values of attributes of simple elements and knowledge objects.